

**Claim 1 (currently amended).** A process for increasing the molecular weight and/or viscosity of a ~~polyamide or a polyester or a copolyester~~ mer of these polymers which remain in the thermoplastic state after the process, which process comprises

heating in a mixer or extruder a ~~polyamide or polyester or a copolyester~~ mer of these polymers to the melting point or up to 50°C above the melting point or 50°C to 150°C above the glass transition point of the polyester or copolyester,

with the addition of at least one aromatic dicyanate and at least one further compound selected from the group consisting of the sterically hindered hydroxyphenyl-alkyl-phosphonic esters or monoesters, diphosponites and secondary aromatic amines,

~~to the melting point or up to 50°C above the melting point or 50°C to 150°C above the glass transition point of said polymers or copolymers~~

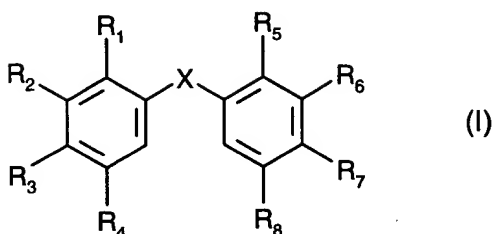
wherein the polyester or copolyester remains in the thermoplastic state after the process.

**Claim 2 (canceled).**

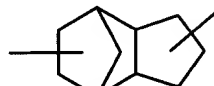
**Claim 3 (currently amended).** A process according to claim 12, wherein at least one difunctional epoxide is additionally employed.

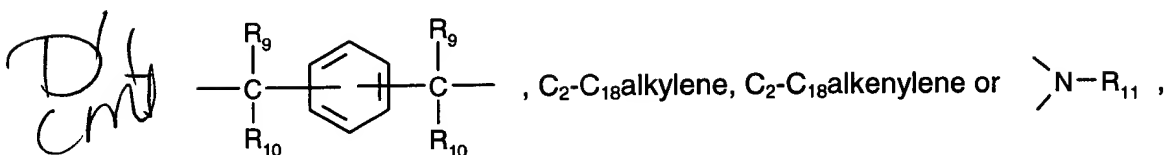
**Claim 4 (currently amended).** A process according to claim 1, wherein the ~~polyamide or polyester or a copolyester~~ mer of these polymers is a ~~polyamide or polyester or a copolymer of these polymers~~ recyclate.

**Claim 5 (original).** A process according to claim 1, wherein the aromatic dicyanate is a compound of the formula I



in which

X is a direct bond, oxygen, sulfur, -SO-, -SO<sub>2</sub>-, ,  $\text{R}_9-\text{C}-\text{R}_{10}$ ,



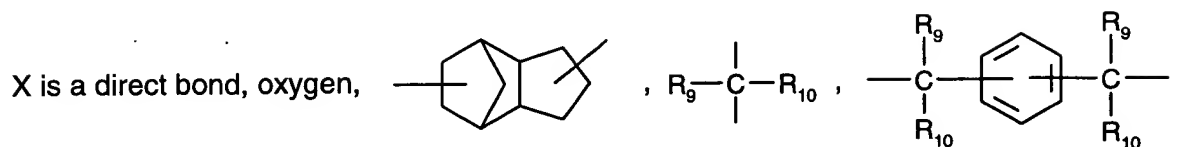
R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> independently of one another are hydrogen, C<sub>1</sub>-C<sub>25</sub>alkyl, C<sub>5</sub>-C<sub>12</sub>cycloalkyl, unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted phenyl; C<sub>7</sub>-C<sub>9</sub>phenylalkyl, hydroxyl, C<sub>1</sub>-C<sub>25</sub>alkoxy or -O-CN, with the proviso that at least one of the radicals R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> is -O-CN,

R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub> and R<sub>8</sub> independently of one another are hydrogen, C<sub>1</sub>-C<sub>25</sub>alkyl, C<sub>5</sub>-C<sub>12</sub>cycloalkyl, unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted phenyl; C<sub>7</sub>-C<sub>9</sub>phenylalkyl, hydroxyl, C<sub>1</sub>-C<sub>25</sub>alkoxy or -O-CN, with the proviso that at least one of the radicals R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub> and R<sub>8</sub> is -O-CN,

R<sub>9</sub> and R<sub>10</sub> independently of one another are hydrogen, C<sub>1</sub>-C<sub>12</sub>alkyl, trifluoromethyl or phenyl, or R<sub>9</sub> and R<sub>10</sub>, together with the carbon atom to which they are attached, form a C<sub>5</sub>-C<sub>8</sub>cycloalkylidene ring which is unsubstituted or is substituted by 1 to 3 C<sub>1</sub>-C<sub>4</sub>alkyls; and

R<sub>11</sub> is hydrogen or C<sub>1</sub>-C<sub>12</sub>alkyl.

**Claim 6 (original).** A process according to claim 5, wherein



$\text{C}_2\text{-C}_{12}$ alkylene or  $\text{C}_2\text{-C}_{12}$ alkenylene,

$\text{R}_1$ ,  $\text{R}_2$ ,  $\text{R}_3$  and  $\text{R}_4$  independently of one another are hydrogen,  $\text{C}_1\text{-C}_{18}$ alkyl,  $\text{C}_5\text{-C}_8$ cycloalkyl, phenyl, benzyl,  $\text{C}_1\text{-C}_{18}$ alkoxy or  $-\text{O-CN}$ , with the proviso that at least one of the radicals  $\text{R}_1$ ,  $\text{R}_2$ ,  $\text{R}_3$  or  $\text{R}_4$  is  $-\text{O-CN}$ ,

$\text{R}_5$ ,  $\text{R}_6$ ,  $\text{R}_7$  and  $\text{R}_8$  independently of one another are hydrogen,  $\text{C}_1\text{-C}_{18}$ alkyl,  $\text{C}_5\text{-C}_8$ cycloalkyl, phenyl, benzyl,  $\text{C}_1\text{-C}_{18}$ alkoxy or  $-\text{O-CN}$ , with the proviso that at least one of the radicals  $\text{R}_5$ ,  $\text{R}_6$ ,  $\text{R}_7$  or  $\text{R}_8$  is  $-\text{O-CN}$ , and

$\text{R}_9$  and  $\text{R}_{10}$  independently of one another are hydrogen,  $\text{C}_1\text{-C}_8$ alkyl, trifluoromethyl or phenyl, or  $\text{R}_9$  and  $\text{R}_{10}$ , together with the carbon atom to which they are attached, form a  $\text{C}_5\text{-C}_6$ cyclo-alkylidene ring.

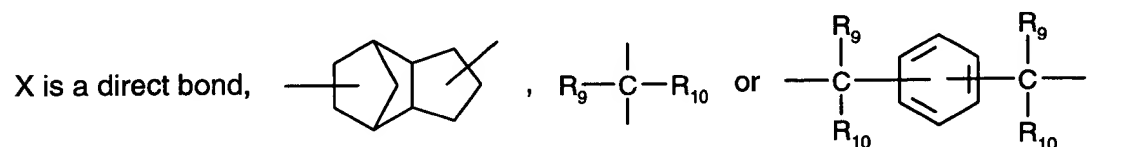
**Claim 7 (original).** A process according to claim 5, wherein

$\text{R}_1$  and  $\text{R}_5$  are hydrogen,

$\text{R}_2$ ,  $\text{R}_4$ ,  $\text{R}_6$  and  $\text{R}_8$  are hydrogen or methyl, and

$\text{R}_3$  and  $\text{R}_7$  are  $-\text{O-CN}$ .

**Claim 8 (original).** A process according to claim 5, wherein



$\text{R}_1$  is hydrogen,

$\text{R}_2$  is hydrogen or  $\text{C}_1\text{-C}_4$ alkyl,

$\text{R}_3$  is  $-\text{O-CN}$ ,

$\text{R}_4$  is hydrogen or  $\text{C}_1\text{-C}_4$ alkyl,

$\text{R}_5$  is hydrogen,

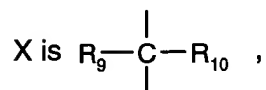
$\text{R}_6$  is hydrogen or  $\text{C}_1\text{-C}_4$ alkyl,

$\text{R}_7$  is  $-\text{O-CN}$ ,

R<sub>8</sub> is hydrogen or C<sub>1</sub>-C<sub>4</sub>alkyl, and

R<sub>9</sub> and R<sub>10</sub> independently of one another are hydrogen, methyl or trifluoromethyl.

**Claim 9 (original).** A process according to claim 5, wherein



R<sub>1</sub> and R<sub>2</sub> are hydrogen,

R<sub>3</sub> is -O-CN,

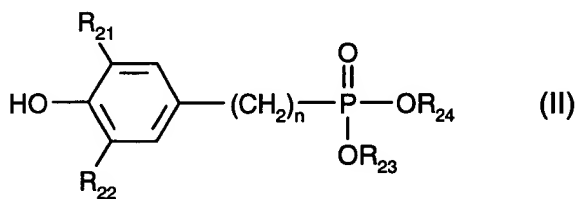
R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> are hydrogen,

R<sub>7</sub> is -O-CN,

R<sub>8</sub> is hydrogen, and

R<sub>9</sub> and R<sub>10</sub> independently of one another are hydrogen or methyl.

*D/C*  
*CM*  
**Claim 10 (currently amended).** A process according to claim 12, wherein the ~~polyfunctional~~ further compound is a sterically hindered hydroxyphenyl-alkyl-phosphonic ester or monoester of the formula II



in which

R<sub>21</sub> is isopropyl, tert-butyl, cyclohexyl or cyclohexyl which is substituted by 1 to 3 C<sub>1</sub>-C<sub>4</sub>alkyl groups,

R<sub>22</sub> is hydrogen, C<sub>1</sub>-C<sub>4</sub>alkyl, cyclohexyl or cyclohexyl which is substituted by 1 to 3 C<sub>1</sub>-C<sub>4</sub>alkyl groups,

R<sub>23</sub> is C<sub>1</sub>-C<sub>20</sub>alkyl, or unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted phenyl or naphthyl,

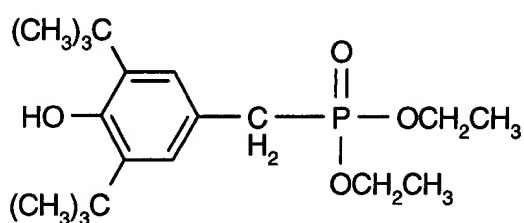
R<sub>24</sub> is hydrogen, C<sub>1</sub>-C<sub>20</sub>alkyl, unsubstituted or C<sub>1</sub>-C<sub>4</sub>alkyl-substituted phenyl or naphthyl; or is  $\frac{\text{M}^{r+}}{r}$  ,

M<sup>r+</sup> is an r-valent metal cation,

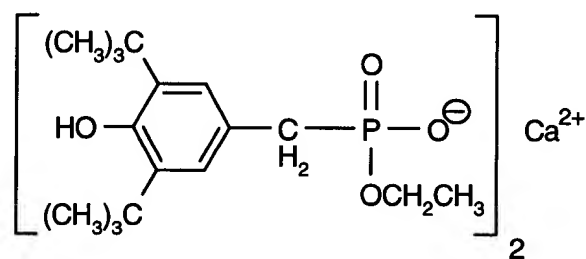
n is 1, 2, 3, 4, 5 or 6, and

r is 1, 2 or 3.

**Claim 11 (currently amended).** A process according to claim 12, wherein the ~~polyfunctional~~ further compound is a sterically hindered hydroxyphenyl-alkyl-phosphonic ester or monoester of the formula IIa or IIb



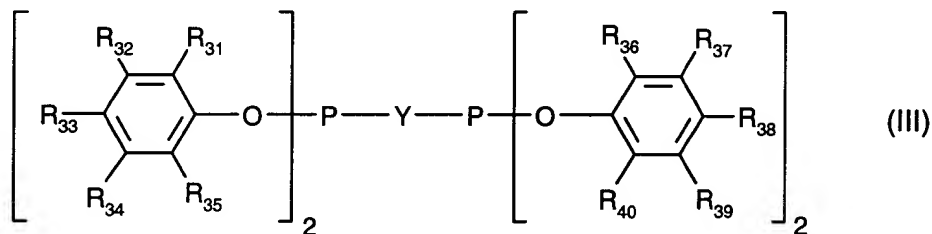
(IIa)



(IIb)

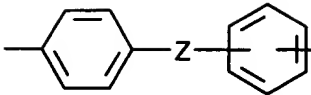
Dy  
CMH

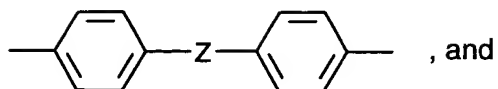
**Claim 12 (currently amended).** A process according to claim 12, wherein the ~~polyfunctional~~ further compound is a diphosphonite of the formula III

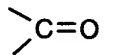


in which

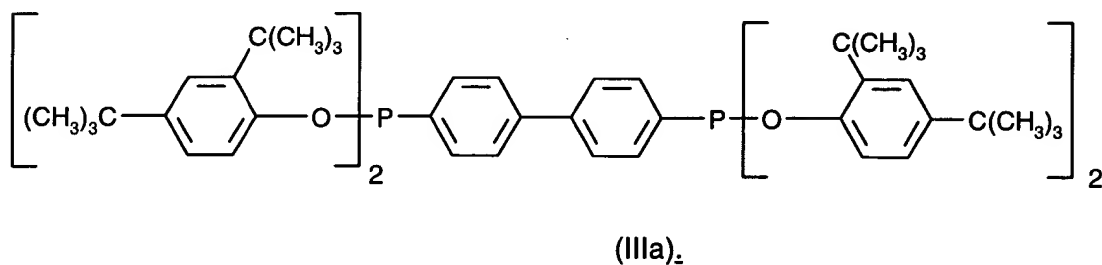
R<sub>31</sub>, R<sub>32</sub>, R<sub>33</sub>, R<sub>34</sub>, R<sub>35</sub>, R<sub>36</sub>, R<sub>37</sub>, R<sub>38</sub>, R<sub>39</sub> and R<sub>40</sub> independently of one another are hydrogen or C<sub>1</sub>-C<sub>8</sub>alkyl,

Y is 1,4-phenylene, 1,3-phenylene,  or

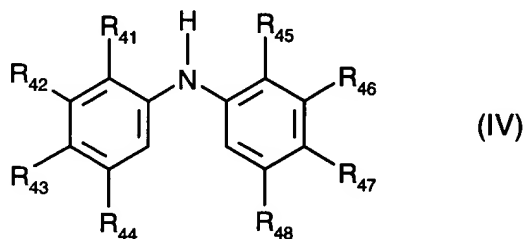


Z is a direct bond, phenylene, oxygen, sulfur, -SO-, -SO<sub>2</sub>- or .

**Claim 13 (currently amended).** A process according to claim 12, wherein the ~~polyfunctional~~ further compound is a diposphonite of the formula IIIa



**Claim 14 (currently amended).** A process according to claim 12, wherein the ~~polyfunctional~~ further compound is a secondary aromatic amine of the formula IV



in which

R<sub>41</sub> is hydrogen or C<sub>1</sub>-C<sub>25</sub>alkyl,

R<sub>42</sub> is hydrogen, C<sub>1</sub>-C<sub>25</sub>alkyl or benzyl,

R<sub>43</sub> is hydrogen, C<sub>1</sub>-C<sub>25</sub>alkyl, C<sub>5</sub>-C<sub>12</sub>cycloalkyl, benzyl, α-methylbenzyl or α,α-dimethylbenzyl; or R<sub>42</sub>

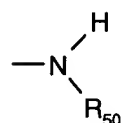
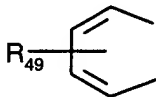
and R<sub>43</sub> together form a divalent group ,

R<sub>44</sub> is hydrogen, C<sub>1</sub>-C<sub>25</sub>alkyl or benzyl,

R<sub>45</sub> is hydrogen or C<sub>1</sub>-C<sub>25</sub>alkyl,


R<sub>46</sub> is hydrogen, C<sub>1</sub>-C<sub>25</sub>alkyl or benzyl,

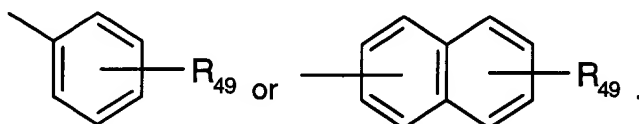
R<sub>47</sub> is hydrogen, C<sub>1</sub>-C<sub>25</sub>alkyl, C<sub>5</sub>-C<sub>12</sub>cycloalkyl, benzyl, α-methylbenzyl, α,α-dimethylbenzyl or

; or R<sub>46</sub> and R<sub>47</sub> together form a divalent group ,

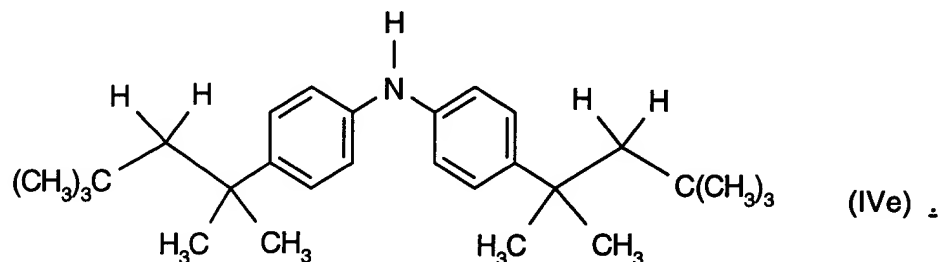
R<sub>48</sub> is hydrogen, C<sub>1</sub>-C<sub>25</sub>alkyl or benzyl,

R<sub>49</sub> is hydrogen or C<sub>1</sub>-C<sub>25</sub>alkyl, and

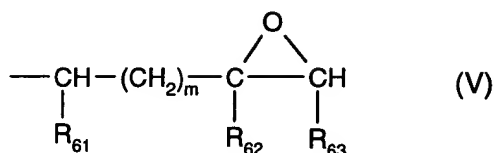
 R<sub>50</sub> is C<sub>5</sub>-C<sub>12</sub>cycloalkyl,



**Claim 15 (currently amended).** A process according to claim 12, wherein the polyfunctional further compound is a secondary aromatic amine of the formula IVe



**Claim 16 (original).** A process according to claim 3, wherein the difunctional epoxide is a compound which contains epoxide radicals of the formula V



which are attached directly to carbon, oxygen, nitrogen or sulfur atoms and in which R<sub>61</sub> and R<sub>63</sub> are both hydrogen, R<sub>62</sub> is hydrogen or methyl and m is 0; or in which R<sub>61</sub> and R<sub>63</sub> together are -CH<sub>2</sub>CH<sub>2</sub>- or -CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, R<sub>62</sub> is then hydrogen and m is 0 or 1.

**Claim 17 (original).** A process according to claim 3, wherein the difunctional epoxide is an epoxide of the bisphenol A diglycidyl ether or bisphenol F diglycidyl ether type.

**Claim 18 (currently amended).** A process according to claim 1, wherein from 0.01 to 5 parts by weight of the aromatic dicyanate are employed per 100 parts by weight of thea polyamide or a polyester or a copolyestermer of these polymers.

**Claim 19 (currently amended).** A process according to claim 12, wherein from 0.01 to 5 parts by weight of the polyfunctional compounds selected from the group consisting of the sterically hindered hydroxyphenyl-alkyl-phosphonic esters or monoesters, diphosponites and secondary aromatic amines are employed per 100 parts by weight of thea polyamide or a polyester or a copolyestermer of these polymers.

**Claim 20 (currently amended).** A process according to claim 3, wherein from 0.01 to 5 parts by weight of the difunctional epoxide are employed per 100 parts by weight of thea polyamide or a polyester or a copolyestermer of these polymers.



**Claim 21 (canceled).**

**Claim 22 (canceled).**

**Claim 23 (original).** A process according to claim 1, wherein the polyester is a polyethylene terephthalate or polybutylene terephthalate or a corresponding recyclate or copolymer thereof.

*Proposed*  
**Claim 24 (currently amended).** A process according to claim 1, wherein the polyester~~mer~~ is a polybutylene terephthalate/polycarbonate blend or a blend comprising predominantly polybutylene terephthalate/polycarbonate or a corresponding recyclate or a blend of a recyclate and a virgin polymer component.

**Claims 25-31 (canceled).**

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